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PART-I

Notifications, Orders and Declarations by Haryana Government

HARYANA GOVERNMENT

PUBLIC WORKS DEPARTMENT (BUILDING AND ROADS BRANCH)

Notification

The 6th August, 2021

No. E-in-C/PWD(B&R)/Chandigarh DC/01.—

THESE AMENDMENTS WILL BE APPLICABLE FROM THE DATE OF GAZETTE NOTIFICATION.

Addenda and Corrigenda to the Haryana PWD Schedule of Rates 2021 (Third Edition)

A&C Slip No.01

Dated: 06/08/2021.

- Regarding changes in the basic rates of material used for Road works in Chapter - 2 of the HSR (Haryana Schedule of rates - 2021):**

The rates of the following items provided in the Chapter - 2 of the HSR - 2021 were discussed and have been approved to be amended as under:

Unique code	MATERIAL USED FOR ROAD WORKS	Unit	Old rate in HSR	Amended rates
RM004	Coarse sand at Mixing Plant	cum	650	500
RM005	Coarse sand	cum	650	500
RM006	Fine sand	cum	600	450
RM007	Moorum	cum	600	450
RM008	Gravel/Quarry spall	Cum	600	450
RM009	Granular Material or hard moorum for GSB works	Cum	600	450

Unique code	MATERIAL USED FOR ROAD WORKS	Unit	Old rate in HSR	Amended rates
RM012	Close graded Granular sub-base Material 53 mm to 9.5 mm	cum	600	450
RM013	Close graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	600	450
RM014	Close graded Granular sub-base Material 26.5 mm to 9.5 mm	cum	600	450
RM015	Close graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	600	450
RM016	Close graded Granular sub-base Material 9.5 mm to 2.36 mm	cum	600	450
RM017	Close graded Granular sub-base Material 4.75mm to 2.36 mm	cum	600	450
RM018	Close graded Granular sub-base Material 4.75mm to 75 micron mm	cum	650	500
RM019	Close graded Granular sub-base Material 2.36 mm	cum	650	500
RM020	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.	cum	650	500
RM021	Coarse graded Granular sub-base Material 2.36 mm & below	cum	650	500
RM022	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm	cum	650	500
RM023	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm	cum	650	500
RM024	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm	cum	600	450
RM025	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm	cum	600	450
RM026	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm	cum	600	450
RM028	Aggregates below 5.6 mm	cum	600	450
RM029	Aggregates 22.4 mm to 2.36 mm	cum	600	450
RM030	Aggregates 45 mm to 2.8 mm	cum	600	450
RM031	Aggregates 45 mm to 22.4 mm	cum	600	450
RM032	Aggregates 53 mm to 2.8 mm	cum	600	450
RM033	Aggregates 63 mm to 2.8 mm	cum	600	450
RM034	Aggregates 63 mm to 45 mm	cum	600	450
RM035	Aggregates 90 mm to 45 mm	cum	600	450
RM036	Aggregates 10 mm to 5 mm	cum	600	450

Unique code	MATERIAL USED FOR ROAD WORKS	Unit	Old rate in HSR	Amended rates
RM037	Aggregates 11.2 mm to 0.09 mm	cum	600	450
RM038	Aggregates 13.2 mm to 0.09 mm	cum	600	450
RM039	Aggregates 13.2 mm to 5.6 mm	cum	600	450
RM040	Aggregates 13.2 mm to 10 mm	cum	600	450
RM041	Aggregates 20 mm to 10 mm	cum	600	450
RM042	Aggregates 25 mm to 10 mm	cum	600	450
RM043	Aggregates 37.5 mm to 25 mm	cum	600	450
RM044	Aggregates 6 mm nominal size	cum	600	450
RM045	Aggregates 10 mm nominal size	cum	600	450
RM046	Aggregates 13.2/12.5 mm nominal size	cum	600	450
RM047	Aggregates 20 mm nominal size	cum	600	450
RM048	Aggregates 25 mm nominal size	cum	600	450
RM049	Aggregates 40 mm nominal size	cum	600	450

NOTE: The above rates are at source / quarry site.

A&C Slip No.02

Dated: 06/08/2021.

2. The rates and nomenclature of some of the items in Chapter - 17 were discussed and approved. Some new items have also been added. The amendments approved are as under:

Sr. No.	HSR item No.	Existing Description	Amended Description	Unit	Rates in HSR (in Rs.)	Amended rates (In Rs.)
1.	17.5.3	Compaction of Earthwork Compaction of & preparation of sub grade including loosening, 608 leveling of earth 225 mm thick top layer, rough dressing of soil, final dressing of earth to give level, camber, watering, rolling with road roller, compacting the bed to achieve minimum dry density as given in the Table 3000-2 as per technical clause 305 of MORT&H specifications (in case of link roads earthwork to be done by villagers)	Compaction of & preparation of sub grade including loosening, leveling of earth 225 mm thick top layer, rough dressing of soil, final dressing of earth to give level, camber, watering, rolling with road roller, compacting the bed to achieve minimum dry density as given in the Table 3000-2 as per technical clause 305 of MORT&H specifications.	Sqm.	16	8

Sr. No.	HSR item No.	Existing Description	Amended Description	Unit	Rates in HSR (in Rs.)	Amended rates (In Rs.)
2.	17.6	Construction of Embankment with Material obtained from Borrow pits Construction of Embankment with approved material obtained from borrow pits, including compensation of earth, with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2, as per technical clause 305 of MORT&H specifications	Construction of Embankment CBR 8% (for new road/ raising/ berms/ etc.) with approved material obtained from borrow pits, including compensation of earth with all lead and lift transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2, as per technical clause 305 of MORT&H specifications.	Cum	206	206
3.	17.10.1	Excavation for roadwork in soil by mechanical means including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead up to 1000m as per technical clause 301 of MORT&H specifications	Excavation for roadwork in soil by mechanical means including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and disposal within all lead and lift as per technical clause 301 of MORT&H specifications	Cum	97	97
4.	17.7	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2. as per technical clause 305 of MORT&H specifications. (Use Excavated earth)	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2. as per technical clause 305 of MORT&H specifications. (Use Excavated earth)	Cum	123	74
5.	17.43.2	Milling on Bituminous Surface Dismantling of existing damaged Bitumen surface by cold Milling Machine up to 50 mm depth and hauling the milled material up to 10 km and stacking at nearest recycling Plant site	Milling on Bituminous Surface: Dismantling of existing damaged Bitumen surface by cold Milling Machine up to any depth and hauling the milled material up to any lead and stacking at nearest recycling Plant site.	Cum	760	451

Sr. No.	HSR item No.	Existing Description	Amended Description	Unit	Rates in HSR (in Rs.)	Amended rates (In Rs.)
6.	17.67	Removal of existing CC Block	Removing of existing CC block pavement including transporting and stacking usable block along road side and dispose unusable blocks outside PWD land or desired by Engineer.	Cum	500	196
7.	17.68	Relaying of available (removed and stacked) C.C. Block M-30 Size 450x300x150mm	Relaying of available (removed and stacked) C.C. Block M-30 Size 450x300x150mm and spreading 25 mm thick sand underneath filling joints with sand as per technical specification clause 1503.	Cum	409	322
8.	17.70	Removal of existing IPB by manual means and disposal of dismantled material with all lifts and up to a lead of 1000 m as per technical specification clause 202.3	Removal of existing IPB by manual means and disposal of dismantled material with all lead and lift as per technical specification clause 202.3.	Sqm	76	29
9.	17.74	New Item	Excavation for roadwork in soil by manual/mechanical means including cutting , trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, including breaking of clods and disposal within ROW as per technical clause 301 of MORT&H specifications.	Cum		50
10.	17.75	New item	Demolishing dry brick on end edging pitching in floors, drains etc. including stacking of serviceable material and disposal of unserviceable material within any lead.	Cum		135

A&C Slip No.03
Dated: 06/08/2021.

3. The nomenclature of some of the items of Chapter 20 and 21 of HSR 2021 were discussed and amended as under:

Sr. No.	Schedule Item No.	Existing Description	Amended Description
1.	20.114	Supplying erection, testing of fully automatic electric control panel board for T/Wells in Pump Chamber consisting of MS sheet of thickness 14 gauge duly painted box type floor mounted made of angle Frame containing 1 no. fully automatic air brake starter suitable for Motor of the following capacity, Min switch of suitable range with HRC fuse, 1 no. volt meter (0 to 500 volts), 1 No. Amp. Meter of 0 to 100 amp. 3 sets of indicating lamp capacitor of suitable capacity and 1 no. single phase preventers with the timer switch including wiring in panel board and suitable electric energy meter wiring in Electric Control Panel Board complete in all respect as per specification given in Schedule No. II, Including MCB, suitable, Capacitor, Wooden Box etc. as per site requirement complete in all respect. Make:- L&T, SIEMENS, BCH, SCHNEIDER.	Supplying erection, testing of fully automatic electric control panel board for T/Wells in Pump Chamber consisting of MS sheet of thickness 14 gauge duly painted box type floor mounted made of angle Frame containing 1 no. fully automatic air brake starter suitable for Motor of the following capacity, Min switch of suitable range with HRC fuse, 1 no. volt meter (0 to 500 volts), 1 No. Amp. Meter of 0 to 100 amp. 3 sets of indicating lamp capacitor of suitable capacity and 1 no. single phase preventers with the timer switch including wiring in panel board and suitable electric energy meter wiring in Electric Control Panel Board complete in all respect as per specification given in Schedule No. II, Including MCB, suitable, Capacitor, Wooden Box etc as per site requirement complete in all respect.
2.	20.115	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 20.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 20.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
3.	20.116	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 22.50 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 22.50 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
4.	20.117	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 25.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 25.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
5.	20.118	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 27.50 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 27.50 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.

Sr. No.	Schedule Item No.	Existing Description	Amended Description
6.	20.119	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 30.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 30.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
7.	20.120	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 35.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 35.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
8.	20.121	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 40.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 40.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
9.	20.122	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 45.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 45.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
10.	20.123	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 50.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of horizontal motor pumping set for clear water having head 50.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked.
11.	21.104	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 10.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 10.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect
12.	21.105	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 12.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 12.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,

Sr. No.	Schedule Item No.	Existing Description	Amended Description
			SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect
13.	21.106	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 15.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 15.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect
14.	21.107	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 18.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 18.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect
15.	21.108	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 20.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 20.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect
16.	21.109	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 25.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 25.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect

Sr. No.	Schedule Item No.	Existing Description	Amended Description
17.	21.110	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 30.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP Make: KSB,CRI, Kirlosker, Crompton Greeve, Lubi)	Supplying, erection, testing and commissioning of submersible motor pumping set non clog for sewerage having head 30.00 m as per the indicated requirements of discharge in LPM and power capacity in BHP as per IS marked including all accessories (like SS Pipes, SS Chain (Shackle Chain) ,SS Foundation Bolt, complete base frame, Monorail, Chain Guide Line, Auto Compiling, Duct Foot Bend (D/F Bend) etc. complete in all respect

A&C Slip No.04

Dated: 06/08/2021.

4. Following new items were considered and approved to be added in Chapter 20 of HSR - 2021.

20.124 Supplying, erection, testing and commissioning of submersible pumping sets as per BIS SPECIFICATION No. 8034-1989 (as amended upto date for pumps) and IS 9283-1979 (as amended upto date for motor) the pump motor sets should be capable of pumping clear fresh cold water having characteristics as specified in Clause-4 of IS 8034-1989 and Clause 4.1 of IS 9283-1979.

Sr. No.	LPM	Head	BHP	Say Round BHP	Rate
1	400	70	10.37	10.00	45920.00
2	450	70	11.67	12.50	56768.00
3	500	70	12.96	12.50	56768.00
4	550	70	14.26	15.00	62472.00
5	600	70	15.56	15.00	59545.00
6	650	70	16.85	17.50	70194.00
7	700	70	18.15	20.00	78384.00
8	750	70	19.44	20.00	78384.00
9	800	70	20.74	20.00	73288.00
10	850	70	22.04	22.50	78036.00
11	900	70	23.33	25.00	78036.00
12	950	70	24.63	25.00	82925.00
13	1000	70	25.93	25.00	82925.00
14	400	75	11.11	12.50	56768.00
15	450	75	12.50	12.50	56768.00
16	500	75	13.89	15.00	62472.00
17	550	75	15.28	15.00	62472.00
18	600	75	16.67	17.50	70194.00
19	650	75	18.06	20.00	78384.00
20	700	75	19.44	20.00	78384.00
21	750	75	20.83	20.00	78384.00
22	800	75	22.22	22.50	82925.00

Sr. No.	LPM	Head	BHP	Say Round BHP	Rate
23	850	75	23.61	25.00	82925.00
24	900	75	25.00	25.00	82925.00
25	950	75	26.39	27.50	82925.00
26	1000	75	27.78	27.50	82925.00
27	400	90	13.33	15.00	62472.00
28	450	90	15.00	15.00	62472.00
29	500	90	16.67	17.50	78152.00
30	550	90	18.33	20.00	79132.00
31	600	90	20.00	20.00	79132.00
32	650	90	21.67	22.50	96402.00
33	700	90	23.33	25.00	96402.00
34	750	90	25.00	25.00	96402.00
35	800	90	26.67	27.50	99032.00
36	850	90	28.33	30.00	99032.00
37	900	90	30.00	30.00	99032.00
38	950	90	31.67	30.00	99032.00
39	1000	90	33.33	35.00	114512.00
40	400	110	16.30	17.50	78152.00
41	450	110	18.33	20.00	98438.00
42	500	110	20.37	20.00	98438.00
43	550	110	22.41	22.50	96702.00
44	600	110	24.44	25.00	96702.00
45	650	110	26.48	27.50	99032.00
46	700	110	28.52	30.00	99032.00
47	750	110	30.56	30.00	99032.00
48	800	110	32.59	35.00	108960.00
49	850	110	34.63	35.00	108960.00
50	900	110	36.67	40.00	123856.00
51	950	110	38.70	40.00	123856.00
52	1000	110	40.74	40.00	123856.00
53	400	120	17.78	17.50	78152.00
54	450	120	20.00	20.00	83891.00
55	500	120	22.22	22.50	83891.00
56	550	120	24.44	25.00	94904.00

Sr. No.	LPM	Head	BHP	Say Round BHP	Rate
57	600	120	26.67	27.50	102124.00
58	650	120	28.89	30.00	102124.00
59	700	120	31.11	30.00	102124.00
60	750	120	33.33	35.00	108960.00
61	800	120	35.56	35.00	108960.00
62	850	120	37.78	40.00	108960.00
63	900	120	40.00	40.00	108960.00
64	950	120	42.22	45.00	134136.00
65	1000	120	44.44	45.00	134136.00
66	400	125	18.52	20.00	83891.00
67	450	125	20.83	20.00	83891.00
68	500	125	23.15	25.00	99800.00
69	550	125	25.46	25.00	99800.00
70	600	125	27.78	27.50	110526.00
71	650	125	30.09	30.00	111268.00
72	700	125	32.41	35.00	104144.00
73	750	125	34.72	35.00	104144.00
74	800	125	37.04	40.00	123856.00
75	850	125	39.35	40.00	123856.00
76	900	125	41.67	40.00	123856.00
77	950	125	43.98	45.00	123856.00
78	1000	125	46.30	50.00	148824.00
79	400	130	19.26	20.00	83891.00
80	450	130	21.67	22.50	83891.00
81	500	130	24.07	25.00	99800.00
82	550	130	26.48	27.50	99800.00
83	600	130	28.89	30.00	102124.00
84	650	130	31.30	30.00	102124.00
85	700	130	33.70	35.00	105144.00
86	750	130	36.11	40.00	131064.00
87	800	130	38.52	40.00	131064.00
88	850	130	40.93	40.00	131064.00
89	900	130	43.33	45.00	131064.00

Sr. No.	LPM	Head	BHP	Say Round BHP	Rate
90	950	130	45.74	45.00	131064.00
91	1000	130	48.15	50.00	152400.00
92	400	135	20.00	20.00	83891.00
93	450	135	22.50	22.50	83891.00
94	500	135	25.00	25.00	99800.00
95	550	135	27.50	27.50	99800.00
96	600	135	30.00	30.00	102124.00
97	650	135	32.50	35.00	102124.00
98	700	135	35.00	35.00	102124.00
99	750	135	37.50	40.00	131064.00
100	800	135	40.00	40.00	131064.00
101	850	135	42.50	45.00	131064.00
102	900	135	45.00	45.00	131064.00
103	950	135	47.50	50.00	152400.00
104	1000	135	50.00	50.00	152400.00

A&C Slip No.05**Dated: 06/08/2021.**

5. It was approved that Brick work in chapter no. 7 in class designation of bricks 7.5 may be read as 10.5 for item no. 7.20, 7.21, 7.22, 7.25, 7.26, 7.27, 7.28, 7.38, 7.39, 7.41, 7.46, 7.52, 7.53.

A&C Slip No.06**Dated: 06/08/2021.**

6. Item No.20.73 is approved to be amended as under:

Schedule Item No.	Description	Existing		amended	
		Unit	Through rate	Unit	Through rate
20.73	GANTRY. Supply and fixing of Gantry with chain pulley block (tested for 1.5 times the rated capacity) with travelling trolley of appropriate lifting capacity as per IS code 3177:1999 with up to date amendments for handling of pumping sets capable of moving along the girders including cost of suitable sized RCC pillars to be provided in pump house complete in all respects as per directions of Engineer-in-charge				
20.73.1	1 tonne capacity	tonne	62065	each	62065
20.73.2	1.5 tonne capacity	tonne	54361	each	81542
20.73.3	2 tonne capacity	tonne	57196	each	114392
20.73.4	2.5 tonne capacity	tonne	56145	each	140363
20.73.5	3 tonne capacity	tonne	66155	each	198465

A&C Slip No.07Dated: 06/08/2021.

7. The nomenclature of following items are approved to be amended as under:

Schedule Item No.	Existing nomenclature	Amended nomenclature
21.32.3	Painting two coats excluding priming coat with ready mixed paint for metallic surfaces in all shades on new works 250 mm internal diametre vent shaft	Painting two coats excluding priming coat with ready mixed paint for metallic surfaces in all shades on new works 300 mm internal diametre vent shaft
21.53	Constructing standard drain type I drain moulded and laid over lime concrete foundation rendered and finished smooth with 6 mm thick rendering concrete to be of 1 :136 parts by volume of cement sand stone bajri and rendering to be 1 :1 cement sand mortar	Constructing standard drain type I drain moulded and laid over lime concrete foundation rendered and finished smooth with 6 mm thick rendering concrete to be of 1:3:6 parts by volume of cement sand stone bajri and rendering to be 1 :1 cement sand mortar
21.67.7	Construction of brick circular non-pressure type sewers as per standard drawings built up one half height only (as constructed in manhole lengths) where the invert level of the sewer is up to 1.5 meters below ground level including dressing of beds and sides of trenches to exact profiles, grades and alignment lime concrete or cement lime sand concrete in beds sides with 1 :3 cement sand collar joint not less than 12 mm thick on sides 1 :1-1/2:3 moulded cement concrete invert accurately finished with neat cement rendering face specially hand moulded 1st class radiated brick work laid in 1 :3 cement sand mortar in the inner arch rings of sewers up to one half with the entire inner surface of the sewer rendered with neat cement not less than 1 2mm in thickness 1 :2 cement sand plaster and finished with a floating coat of neat cement left absolutely smooth polished and correct to templates finished with two coats of sodium silicate where ever required. The rates include the cost of accurately planed and fitted centring mould and support for all works as well as for all curves, bends, falls and other special works and the cleaning out of the sewers throughout their lengths. Sodium silicate shall be supplied by the Engineer-in-charge. The finished inside dia-meter of sewer being- 1120 mm	Construction of brick circular non-pressure type sewers as per standard drawings built up one half height only (as constructed in manhole lengths) where the invert level of the sewer is up to 1.5 meters below ground level including dressing of beds and sides of trenches to exact profiles, grades and alignment lime concrete or cement lime sand concrete in beds sides with 1 :3 cement sand collar joint not less than 12 mm thick on sides 1 :1-1/2:3 moulded cement concrete invert accurately finished with neat cement rendering face specially hand moulded 1st class radiated brick work laid in 1 :3 cement sand mortar in the inner arch rings of sewers up to one half with the entire inner surface of the sewer rendered with neat cement not less than 1 2mm in thickness 1 :2 cement sand plaster and finished with a floating coat of neat cement left absolutely smooth polished and correct to templates finished with two coats of sodium silicate where ever required. The rates include the cost of accurately planed and fitted centring mould and support for all works as well as for all curves, bends, falls and other special works and the cleaning out of the sewers throughout their lengths. Sodium silicate shall be supplied by the Engineer-in-charge. The finished inside dia-meter of sewer being- 1220 mm

Schedule Item No.	Existing nomenclature	Amended nomenclature
21.80.7	Extra over and above the rates for item No. 21.78 and 21.79 for every additional 4 metres depth or part thereof for depth of invert level beyond 1.5 metres below ground level. The finished inside diameter of storm water drain being:- 1045 mm	Extra over and above the rates for item No. 21.78 and 21.79 for every additional 4 metres depth or part thereof for depth of invert level beyond 1.5 metres below ground level. The finished inside diameter of storm water drain being:- 1145 mm
21.80.8	Extra over and above the rates for item No. 21.78 and 21.79 for every additional 4 metres depth or part thereof for depth of invert level beyond 1.5 metres below ground level. The finished inside diameter of storm water drain being:- 1020 mm	Extra over and above the rates for item No. 21.78 and 21.79 for every additional 4 metres depth or part thereof for depth of invert level beyond 1.5 metres below ground level. The finished inside diameter of storm water drain being:- 1220 mm
21.83.7	Extra over and above the rates for item No. 21.81 and 21.82 for every additional 4 metres depth or part there of for depth of invert level beyond 1.5 metres below ground level. The finished inside dia meter of storm water drain being: 1045 mm	Extra over and above the rates for item No. 21.81 and 21.82 for every additional 4 metres depth or part there of for depth of invert level beyond 1.5 metres below ground level. The finished inside dia meter of storm water drain being: 1145 mm
21.83.8	Extra over and above the rates for item No. 21.81 and 21.82 for every additional 4 metres depth or part there of for depth of invert level beyond 1.5 metres below ground level. The finished inside dia meter of storm water drain being: 1020 mm	Extra over and above the rates for item No. 21.81 and 21.82 for every additional 4 metres depth or part there of for depth of invert level beyond 1.5 metres below ground level. The finished inside dia meter of storm water drain being: 1220 mm
20.96.2	Drilling of 609.60mm dia bore by hydraulic rotary drilling (reverse circulation method) percussion rig according to ISI specification No. 2800-1991 (Part-I) as amended up to date and modified to extent of the specification attached with this schedule of items of work in all kinds of soils and boulders up to 125 mm dia except rocky strata including the cost of all consumable stores, fuel, oil, soil stabilizing material and transportation of rig and other accessories to the site of proposed bore and back including cost of lowering of all size of casing pipe while boring & extracting the same against earth friction etc. complete to the satisfaction of the Engineer-in-charge. Above 200 metre but up to 200 metre BGL	Drilling of 609.60mm dia bore by hydraulic rotary drilling (reverse circulation method) percussion rig according to ISI specification No. 2800-1991 (Part-I) as amended up to date and modified to extent of the specification attached with this schedule of items of work in all kinds of soils and boulders up to 125 mm dia except rocky strata including the cost of all consumable stores, fuel, oil, soil stabilizing material and transportation of rig and other accessories to the site of proposed bore and back including cost of lowering of all size of casing pipe while boring & extracting the same against earth friction etc. complete to the satisfaction of the Engineer-in-charge. Above 200 metre but up to 300 metre BGL

Schedule Item No.	Existing nomenclature	Amended nomenclature
20.56	Providing and screwing in brass/Gun Metal ferrules drilling and tapping Cast Iron /D.I. / G.I. pipe lines of all diameters and connections including carriage, loading, unloading etc. complete in all respects to the satisfaction of Engineer-in- Charge. (Excavation will be paid separately).	Providing and screwing in brass/Gun Metal ferrules drilling and tapping /D.I. /G.I. pipe lines of all diameters and connections including carriage, loading, unloading etc. complete in all respects to the satisfaction of Engineer-in- Charge. (Excavation will be paid separately).
20.62	Providing, lowering, laying, cutting (cut surface to be uniformly finished), jointing with rubber rings marked with IS : 5382 and testing of SPIGOT AND SOCKETTED RCC, NP2 MARKED WITH IS : 458-1988 and specials into trenches for all depths including carriage, loading, unloading, stacking, handling, re-handling etc. complete is all respects to the satisfaction to the Engineer - in -charge.	Providing, lowering, laying, cutting (cut surface to be uniformly finished), jointing with rubber rings marked with IS : 5382 and testing of SPIGOT AND SOCKETTED RCC, NP2 MARKED WITH IS : 458-1988 and specials into trenches for all depths including carriage, loading, unloading, stacking, handling, re-handling etc. complete is all respects to the satisfaction to the Engineer - in -charge. Note: E/W to be measured and paid separately.
20.76	Design, Supply & erection of transformer of standard make Required 25 KVA 11/0.433 KVA rating outdoor type 11 KVA V.C.B., panel, G.O. switch, H. Pole , H.T. metering panel, APFC panel, battery charges, 11 KVA substation, entire cable network from G.O. switch to H.T. metering equipment and from H.T. metering to Transformer. From transformer to main to L.T., panel earthling, safety equipment, fenced enclosure for transformer, and any other contingent thereto complete in all respect as per approved make and directions of Engineer-in-charge as per respective capacity.	Design, Supply & erection of transformer of standard make Required 11/0.433 KVA rating outdoor type 11 KVA, G.O. switch, H. Pole , battery charges, earthing, safety equipment, fenced enclosure for transformer, and any other contingent thereto complete in all respect as per approved make and directions of Engineer-in-charge as per respective capacity.
20.89	Designing, Supply & erection of DG set of capacity given below with noise controlled devices acoustic of suitable rating, testing and commissioning of diesel generating set, radiator cooled, 3 phase, 4 wire, 50 cycles 415 +(-)1% volts AC alternator coupled directly through a set of flexible coupling on a common MS fabricated base frame with diesel engine complete with suitable size incoming cable from generator to change over/AMF panel, making 2nd incoming cable connection from transformer, outgoing cable connection from changeover/ standard panel, making second incoming cable connection from transformer, outgoing cable connection from changeover / STD panel to incomm of motor starter panel, fenced enclosure with platform for DG sets complete as per following detailed scope and specifications and directions of Engineer-in-charge.	Designing, Supply & erection of DG set of capacity given below with noise controlled devices acoustic of suitable rating, testing and commissioning of diesel generating set, radiator cooled, 3 phase, 4 wire, 50 cycles 415 +(-)1% volts AC alternator coupled directly through a set of flexible coupling on a common MS fabricated base frame with diesel engine complete with suitable size incoming cable from generator to change over/AMF panel, making 2nd incoming cable connection from transformer, outgoing cable connection from changeover / STD panel to incomm of motor starter panel, complete earthing safety equipments fenced enclosure with platform for DG sets complete as per following detailed scope and specifications and directions of Engineer-in-charge.

Schedule Item No.	Existing nomenclature	Amended nomenclature
Chapter 7 Note: 1	Items of masonry have been included with CM 1 :4 and CM 1 :6. Rates of mortars for other proportions have been mentioned vide item no. 3.1 to 3.19. For masonry items with mortars other than CM 1:4 and CM 1 :6, difference in rate of mortars can be added or subtracted to arrive at the rate of masonry.	Items of masonry have been included with CM 1 :4 and CM 1 :6. Rates of mortars for other proportions have been mentioned vide item no. 7.1 to 7.19. For masonry items with mortars other than CM 1:4 and CM 1 :6, difference in rate of mortars can be added or subtracted to arrive at the rate of masonry.

A&C Slip No.08**Dated: 06/08/2021.**

8. The following items are approved to be deleted:

Schedule Item No.	Existing nomenclature
22.163	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :
22.164	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :
22.165	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :
22.168	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :
22.169	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :
22.185	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately) :
22.205	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :
22.220	Providing HDPE Pipe of material grade PE-80, PN-4 as confirm to IS:14333.1996 (amended upto date) suitable for butt fusion jointing
Chapter 7 Note - 9	The rates are exclusive of GST but inclusive of all other taxes, Labour Welfare Cess and contractor's profit.

A&C Slip No.09**Dated: 06/08/2021.**

9. The following amendments were approved in Chapter 15 - Deep Foundation and Chapter - 27 Bridges:

Following Note have been approved to be added in Chapter 15 and Chapter 27

NOTE:

1. The rates of all the RCC items in chapter 15 and chapter 27 include the cost of Form Work /Centering and Shuttering etc.

A&C Slip No.10**Dated: 06/08/2021.**

10. The following amendments in respect of important note in the beginning of HSR has been approved as under:

Existing Important Note	Amended Important Note
Rates depicted for various finished items in this version of HSR are derived by considering the effect of 12 % GST. Keeping in view that different rates of GST are applicable on construction works by Government departments and Board / Corporations etc., XLS version of HSR has been developed where the effect of GST as applicable for different departments can be inserted in the input file to work out the rates of finished items with the impact of GST.	Rates depicted for various items in this version of HSR include GST and all other taxes / duties / cess etc. as applicable. This will supersede any other note / forward etc. in this respect.

VIJAY KUMAR SHARMA,
 Convener, Central Zonal Committee,
 Haryana PWD Schedule of Rates-cum-
 Superintending Engineer, Ambala Circle,
 PWD (B&R), Ambala Cantt.